

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Williams, et al.	
		Filing Date February 12, 2004	Group Art Unit 1637

(37 CFR §1.98(b))

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,959,314	09/25/90	Mark, et al.			
	AB	5,712,381	01/1998	Lin et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AC	WO 99/64594	12/16/99	WIPO				
	AD	WO 97/40151	10/30/1997	WIPO				
	AE	WO 98/11220	03/19/1998	WIPO				
	AF	WO 92/20798	11/26/1992	WIPO				
	AG	WO 96/30389	10/03/1996	WIPO				
	AH	WO 99/33982	07/08/1999	WIPO				
	AI	WO 99/54631	12/16/1999	WIPO				
	AJ	WO 99/64594	12/16/1999	WIPO				
	AK	WO 99/64631	12/16/1999	WIPO				
	AL	WO 01/02568	11/01/2001	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AM	Abstract XP-002177024; EMBL; DOE Joint Genome Institute: Retrieved from EBI GENBank Accession Number AC016619; (Dec. 14, 1999)
	AN	Abstract XP-002177025; EMBL; Retrieved from GEN Bank Accession Number AQ568048; (June 3, 1999)
	AO	Accession Number AL135937 Entry HS AL135937 Phillimore, B. "Human DNA Sequence from Clone RP1-278022 on chromosome 20.
	AP	Accession Number XM_104316 Homo Sapiens LOC1 Entry LOC164325 NCBI Annotation Project
	AQ	Accession Number Z98752 Human DNA Sequence Entry HS 138B7 Ramsey et al. "Human DNA Sequence from Clone RP1-138B7 on chromosome 20q13.12...
	AR	Acker et al., GenBank Accession No. HSRNAP14K (June 8, 1995)

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	AS	Adam, et al., "Identification of Biomarkers in Benign Prostate Hyperplasia and Prostate Carcinoma By Differential Display" Proc. Annual Mtng American Assoc. for Cancer Research, Vol. 36 Toronto (XP002923792) (March, 1995)
	AT	Alberte et al., Molecular Biology of the Cell, 3 rd Ed. New York p. 465 (1994)
	AU	Attwood, Science, 290:471-473, (2000)
	AV	Azzi, A. et al., "The Protein Kinase C Family," <i>Eur. J. Biochem.</i> 208(c):547-557 (September 1992)
	AW	Baldi et al., "Differential Expression of the Retinoblastoma Gene Family Members pRB/p105, p107, and pRb2/p130 in Lung Cancer." <i>Clin. Cancer Res.</i> Vol. 2(7):1239-45 (1996)
	AX	Baltz et al., "A LIM Motif Is Present in a Pollen-Specific Protein," <i>Plant Cell</i> 4(12):1465-1466 (December 1992)
	AY	Bandziulis et al., "RNA-Binding Proteins as Developmental Regulators," <i>Genes & Development</i> 3(4):431-437 (April 1989).
	AZ	Bazan J.F., "Structural Design and Molecular Evolution of a Cytokine Receptor Superfamily," <i>Proc. Natl. Acad. Sci. USA</i> 87(18):6934-6938 (September 1990).
	AAA	Bennett et al., "Association between Ankyrin and the Cytoplasmic Domain of Band 3 Isolated from the Human Erythrocyte Membrane," <i>J. Biol. Chem.</i> 255(13):6424-6432 (July 10, 1980)
	ABB	Berg, J.M., "Proposed Structure for the Zinc-Binding Domains From Transcription Factor IIIA and Related Proteins," <i>Proc. Natl. Acad. Sci. USA</i> 85(1):99-102 (January 1988)
	ACC	Bork, P., "Hundreds of Ankyrin-Like Repeats in Functionally Diverse Proteins: Mobile Modules that Cross Phyla Horizontally?," <i>Proteins: Structure, Function, and Genetics</i> 17(4):363-374 (1993).
	ADD	Bowie et al., Science 247:1306-1310 (1990)
	AEE	Breedon et al., "Similarity Between Cell-Cycle Genes of Budding Yeast and Fission Yeast and the <i>Notch</i> gene of <i>Drosophila</i> ," <i>Nature</i> 329(6140):651-654 (October 15-21, 1987)
	AFF	Brennen et al., J. Autoimmunity, 2:177-186 (1989)
	AGG	Brenner, S., "The Molecular Evolution of Genes and Proteins: A Tale of Two Series," <i>Nature</i> 334(6182):528-530 (August 11, 1988)
	AHH	Brinkley et al., Variations in cell form and cytoskeleton in human breast carcinoma cells in vitro, <i>Cancer Research</i> Vol. 40, pp. 3118-3129 (1980)
	AII	Burd et al., "Conserved Structures and Diversity of Functions of RNA-Binding Proteins," <i>Science</i> 265(5172):615-621 (July 29, 1994)
	AJJ	Burgess et al., J. Cell Bio. 111:2129-2138 (1990)

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	AKK	Bürglin, <i>Guidebook to the Homeobox Genes</i> , Oxford University Press, Oxford, 1994, Chapter 3, "A Comprehensive Classification of Homeobox Genes," pp. 27-71.
	ALL	Cailleau et al, "Breast Tumor Cell Lines From Pleural Effusions," <i>J. Natl. Cancer Inst.</i> 53(3):661-674 (September 1974)
	AMM	Careere et al., <i>Gut</i> , 44:550-551 (1998)
	ANN	Carmeci et al., "Identification of a Gene (GPR30) with Homology to the G-Protein-Coupled Receptor Superfamily Associated with Estrogen Receptor Expression in Breast Cancer," <i>Genomics</i> Vol. 45:607-617 (1997)
	AOO	Chabert et al., Cell culture of tumors alters endogenous poly(ADPR) polymerase expression and activity <i>Int. J. Cancer</i> Vol. 53 pp. 837-842 (1993)
	APP	Chandrasekaran et al., "Glycosaminoglycans of Normal and Malignant Cultured Human Mammary Cells," <i>Cancer Research</i> 39(3):870-880 (March 1979)
	AQQ	Charbonneau et al., "1002 Protein Phosphatases?," <i>Annu. Rev. Cell Biol.</i> 8:463-493 (1992)
	ARR	Chariello et al., <i>Oncogene</i> 16:541-545 (1998)
	ASS	Chen et al., "Androgen-Independent Human Prostate Cancer Progression: The Isolation of Novel Stage-Specific Sequences Using Differential Mmndisplay" <i>J. of Urology</i> , p. 267A (XP002923791) (April 1995)
	ATT	Clarke et al., "Engineered Disulfide Bonds as Probes of the Folding Pathway of Barnase: Increasing the Stability of Proteins Against the Rate of Denaturation," <i>Biochemistry</i> 32(16):4322-4329 (April 27, 1993)
	AUU	Clarke et al., Progression of human breast cancer cells from hormone-dependent to hormone-independent growth both in vitro and in vivo. <i>Proc. Natl. Acad. Sci. USA</i> vol. 86, pp. 3649-3653 (1989)
	AVV	Confalonieri et al., "A 200-Amino Acid ATPase Module in Search of a Basic Function," <i>BioEssays</i> 17(7):639-650 (1995)
	AWW	Cosman et al., "A New Cytokine Receptor Superfamily," <i>Trends Biochem. Sci.</i> 15:265-270 (July 1990)
	AXX	D'Andrea et al., "Erythropoietin Receptor and Interleukin-2 Receptor β Chain: A New Receptor Family," <i>Cell</i> 58(6):1023-1024 (September 22, 1989)
	AYY	D'Andrea et al., "A New Hematopoietic Growth Factor Receptor Superfamily: Structural Features and Implications for Signal Transduction," <i>Curr. Opin. Cell Biol.</i> 2(4):648-651 (August 1990)

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	AZZ	Database EMBL Online "Human DNA Sequence form Clone RP11-427L15, February 16, 2000, retrieved from EBI Database Accession No. AL139407 (XP002223603).
	AAAA	Database EMBL Online "RPC111-126H19. TV Homo Sapiens Genomic Clone, January 25, 1999, retrieved from EBI Database Accession No. AQ348278 (XP002223604).
	ABBB	Database EMBL online 6 July 2000 (2000-07-06) Birren B. et al., "Homo sapiens chromosome 2, clone RP11-265B3" Database accession number AC 073025 XP002208136
	ACCC	Database EMBL online 9 June 2000 (2000-06-09) Birren B. et al., "Homo sapiens, clone RP11-12010" Database accession number AC068959 XP002208137
	ADDD	Database Record AA743908 (February 19, 1998)
	AEEE	Database Record AI459918 (March 1, 1999)
	AFFF	Davletov et al., "A Single C ₂ Domain from Synaptotagmin I Is Sufficient for High Affinity Ca ²⁺ /Phospholipid Binding," <i>J. Biol. Chem.</i> 268(35):26386-26390 (December 15, 1993)
	AGGG	Dermer, Another Anniversary for the War on Cancer, <i>Bio/Technology</i> , 12:320 (1994)
	AHHH	Dhanasekaran et al., "Signaling By Dual Specificity Kinases," <i>Oncogene</i> 17(11):1447-1455 (September 17, 1998)
	AIII	Drexler, Leukemia and Lymphoma 9:1-25 (1993)
	AJJJ	Dreyfuss G. et al., "Heterogeneous Nuclear Ribonucleoprotein Particles and the Pathway of mRNA Formulation," <i>Trends Biochem. Sci.</i> 13:86-91 (March 1988)
	AKKK	Drmanac et al., "Gene-Representing cDNA Clusters Defined by Hybridization of 57,419 Clones from Infant Brain Libraries with Short Oligonucleotide Probes," <i>Genomics</i> 37(1):29-40 (October 1, 1996)
	ALLL	Eklund et al., "Structural and Functional Relations Among Thioredoxins of Different Species," <i>Proteins: Structure, Function, and Genetics</i> 11(1):13-28 (1991)
	AMMM	Ellenberger, "Getting a grip on DNA Recognition: Structures of the Basic Region Leucine Zipper, and the Basic Region Helix-Loop-Helix DNA-Binding Domains," <i>Curr. Opin. Struct. Biol.</i> 4:12-21 (1994)
	ANNN	Erdmann et al., "PASI, a Yeast Gene Required for Peroxisome Biogenesis, Encodes a Member of a Novel Family of Putative ATPases," <i>Cell</i> 64(3):499-510 (February 8, 1991)
	AOOO	Eriksson et al., <i>Diabetologia</i> , 35:143-147 (1992)

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	APPP	Evans et al., "Zinc Fingers: Gilt by Association," <i>Cell</i> 52(1):1-3 (January 15, 1988)
	AQQQ	Everett et al., Pendra syndrome is caused by mutations in a putative sulphate transporter gene (PDS). <i>Nature Genetics</i> , Vol. 21, pp. 440-443 (1999)
	ARRR	Fischer et al., "Protein Tyrosine Phosphatases: A Diverse Family of Intracellular and Transmembrane Enzymes," <i>Science</i> 253(5018):401-406 (July 26, 1991)
	ASSS	Freshney, Culture of Animal Cells, A Manual of Basic Technique, Alan R. Liss, Inc., New York p. 4 (1983)
	ATTT	Freyd et al., "Novel Cysteine-Rich Motif and Homeodomain in the Product of the <i>Caenorhabditis elegans</i> Cell Lineage Gene <i>lin-II</i> ," <i>Nature</i> 344(6269):876-879 (April 26, 1990)
	AUUU	Frölich et al., "Yeast Cell Cycle Protein CDC48p Shows Full-Length Homology to the Mammalian Protein VCP and Is a Member of a Protein Family Involved in Secretion, Peroxisome Formation, and Gene Expression," <i>J. Cell Biol.</i> 114(3):443-453 (August 1991)
	AVVV	Fu et al., <i>EMBO J.</i> 15:4392-4401 (1996)
	AWWW	Fukuda et al., "Inositol-1,3,4,5-tetrakisphosphate Binding to C2B Domain of IP4BP/Synaptotagmin II," <i>J. Biol. Chem.</i> 269(46):29206-29211 (November 18, 1994)
	AXXX	Gastpar et al., "Methoxy-Substituted 3-Formyl-2-phenylindoles Inhibit Tubulin Polymerization," <i>J. Med. Chem.</i> 41(25):4965-4972 (December 3, 1998)
	AYYY	Gehring et al., "Homeotic Genes and the Homeobox," <i>Ann Rev. Genet.</i> 20:147-173 (1986)
	AZZZ	Gehring, <i>Guidebook to the Homeobox Genes</i> , Oxford University Press, Oxford, 1994, Chapter 1, "A History of the Homeobox," pp. 3-10
	AAAAA	Gehring, W.J., "The Homeobox in Perspective," <i>Trends Biochem. Sci.</i> 17:277-280 (August 1992)
	ABBBB	Genbank Accession No. 2914385, deposited Oct. 14, 1997
	ACCCC	Genbank Accession No. A42286, deposited Aug. 13, 1999
	ADDDD	Genbank Accession No. AC004067, November 8, 1998
	AEEEE	Genbank Accession No. R09152, April 5, 1995
	AFFFF	Genbank Accession No. S25299, deposited July 21, 2000
	AGGGG	Genbank Accession No. S81083, deposited June 12, 2000
	AHHHH	Genbank Accession No. AA050390 (Sept. 9, 1996)

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	AIII	Genbank Accession No. AA068559 (Feb. 6, 1997)
	AJJJ	Genbank Accession No. AA114761, deposited November 15, 1996
	AKKK	Genbank Accession No. AA131908 (May 14, 1997)
	ALLL	Genbank Accession No. AA444267, deposited August 4, 1997
	AMMM	Genbank Accession No. AA544005 (Aug. 1, 1997)
	ANNN	Genbank Accession No. AB012917, deposited September 30, 1998
	AOOO	Genbank Accession No. AB013730, deposited June 20, 2000
	APPP	Genbank Accession No. AB023201, published June 16, 1999
	AQQQ	Genbank Accession No. AB041036, deposited June 20, 2000
	ARRR	Genbank Accession No. AB041542, deposited June 30, 2000
	ASSS	Genbank Accession No. AB056389, deposited March 1, 2001
	ATTT	Genbank Accession No. AC000028, deposited November 21, 2000
	AUUU	Genbank Accession No. AC002315, deposited February 20, 1998
	AVVV	Genbank Accession No. AF015926, deposited June 15, 1998
	AWWW	Genbank Accession No. AF036241, deposited October 27, 2000
	AXXX	Genbank Accession No. AF038957, deposited July 20, 1998
	AYYY	Genbank Accession No. AF039029, deposited November 4, 1998
	AZZZ	Genbank Accession No. AF047695, deposited June 2, 1998
	AAAAA	Genbank Accession No. AF068116, deposited June 10, 1998
	ABBBB	Genbank Accession No. AF068117, deposited June 10, 1998
	ACCCC	Genbank Accession No. AF116910, deposited May 11, 1999
	ADDDD	Genbank Accession No. AF155117, deposited January 5, 2000
	AEEEE	Genbank Accession No. AF155826, published June 16, 1999
	AAAAA	Genbank Accession No. AF164623, deposited June 26, 2000
	AGGGG	Genbank Accession No. AF176555, deposited November 10, 1999
	AHHHH	Genbank Accession No. AF189011, deposited February 6, 2001
	AIIII	Genbank Accession No. AF202892, deposited December 12, 1999

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	AJJJJJ	Genbank Accession No. AF179308, published August 30, 1999
	AKKKKK	Genbank Accession No. AF241316, published September 15, 2000
	ALLLLL	Genbank Accession No. AF271782, deposited January 2, 2001
	AMMMMM	Genbank Accession No. AF273437, deposited Aug. 17, 2000
	ANNNNN	Genbank Accession No. AF277375, published July 18, 2000
	AOOOOO	Genbank Accession No. AJ250839, deposited March 17, 2000
	APPPPP	Genbank Accession No. AJ250840, deposited March 17, 2000
	AQQQQQ	Genbank Accession No. AJ271784, published February 16, 2000
	ARRRRR	Genbank Accession No. AJ278133, deposited Mar. 19, 2001
	ASSSSS	Genbank Accession No. AK000059, deposited February 22, 2000
	ATTTTT	Genbank Accession No. AK000638, published February 22, 2000
	AUUUUU	Genbank Accession No. AK001121, deposited February 22, 2000
	AVVVVV	Genbank Accession No. AK001197, deposited Feb. 22, 2000
	AWWWWW	Genbank Accession No. AK001468, deposited Feb. 22, 2000
	AXXXXX	Genbank Accession No. AK001472, deposited Feb. 22, 2000
	AYYYYY	Genbank Accession No. AK002717, deposited February 8, 2001
	AZZZZZ	Genbank Accession No. AK001402, deposited Feb. 22, 2000
	AAAAAAA	Genbank Accession No. AK003515, deposited Feb. 8, 2001
	ABBBBBB	Genbank Accession No. AK005163, deposited Feb. 8, 2001
	ACCCCCC	Genbank Accession No. AK007403, deposited Feb. 8, 2001
	ADDDDDD	Genbank Accession No. AK007686, deposited Feb. 8, 2001
	AEEEEEE	Genbank Accession No. AK012674, deposited February 8, 2001
	AFFFFFFF	Genbank Accession No. AK013151, deposited February 8, 2001
	AGGGGGG	Genbank Accession No. AK014691, deposited February 8, 2001
	AHHHHHH	Genbank Accession No. AK018516, deposited February 8, 2001
	AIIIIII	Genbank Accession No. AK019525, deposited February 8, 2001
	AJJJJJJ	Genbank Accession No. AK022518, deposited September 29, 2000

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	AKKKKKK	Genbank Accession No. AK023964, published September 29, 2000
	ALLLLLL	Genbank Accession No. AK024266, published September 29, 2000
	AMMMMMM	Genbank Accession No. AK025674, published September 29, 2000
	ANNNNNN	Genbank Accession No. AK026563, deposited September 29, 2000
	AOOOOOO	Genbank Accession No. AK026581, deposited September 29, 2000
	APPPPPP	Genbank Accession No. AK027065, published September 29, 2000
	AQQQQQQ	Genbank Accession No. AL008734, deposited November 23, 1999
	ARRRRRR	Genbank Accession No. AL050269, published February 18, 2000
	ASSSSSS	Genbank Accession No. AL117475, deposited February 18, 2000
	ATTTTTT	Genbank Accession No. AL117496, deposited Mar. 10, 2001
	AUUUUUU	Genbank Accession No. AL136791, deposited March 10, 2001
	AVVVVVV	Genbank Accession No. BC003582, deposited April 18, 2001
	AWWWWWW	Genbank Accession No. BC004195, published April 18, 2001
	AXXXXXX	Genbank Accession No. BC004203, deposited April 18, 2001
	AYYYYYY	Genbank Accession No. BC004225, published April 18, 2001
	AZZZZZZ	Genbank Accession No. BC005392, deposited April 18, 2001
	AAAAAAA	Genbank Accession No. BC005874, deposited April 18, 2001
	ABBBBBB	Genbank Accession No. CAB02036, deposited June 17, 1998
	ACCCCCC	Genbank Accession No. D28778, deposited August 5, 1997
	ADDDDDD	Genbank Accession No. H43467, deposited July 31, 1995
	AEEEEEE	Genbank Accession No. H93085 (Nov. 30, 1995)
	FFFFFFF	Genbank Accession No. K03332, deposited August 2, 1993
	AGGGGGG	Genbank Accession No. L24774, deposited July 19, 1994
	AHHHHHH	Genbank Accession No. M14505, deposited February 28, 1994
	AIIIIII	Genbank Accession No. M15796 (Apr. 27, 1993)
	AJJJJJJ	Genbank Accession No. M60857, deposited November 2, 1994
	AKKKKKK	Genbank Accession No. M88458 (Apr. 27, 1993)

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	ALLLLLLL	Genbank Accession No. NM_000075, deposited October 31, 2000
	AMMMMMMM	Genbank Accession No. NM_000943, deposited October 31, 2000
	ANNNNNNN	Genbank Accession No. NM_001919, deposited October 31, 2000
	AOOOOOOO	Genbank Accession No. NM_002592, deposited Oct. 31, 2000
	APPPPPPP	Genbank Accession No. NM_004252, deposited November 1, 2000
	AQQQQQQQ	Genbank Accession No. NM_004846, deposited November 1, 2000
	ARRRRRRR	Genbank Accession No. NM_005701, deposited January 11, 2001
	ASSSSSSS	Genbank Accession No. NM_006853, deposited November 2, 2000
	ATTTTTTT	Genbank Accession No. NM_006854, deposited November 2, 2000
	AUUUUUUU	Genbank Accession No. NM_012310, deposited February 3, 2001.
	AVVVVVVV	Genbank Accession No. NM_012773, deposited November 1, 2000
	AWWWWWW	Genbank Accession No. NM_013235, deposited February 3, 2001
	AXXXXXXX	Genbank Accession No. NM_015654, deposited November 2, 2000
	AYYYYYYY	Genbank Accession No. NM_016195, deposited November 2, 2000
	AZZZZZZZ	Genbank Accession No. NM_016248, deposited November 2, 2000
	AAAAAAAA	Genbank Accession No. NM_016705, deposited November 1, 2000
	ABBBBBBB	Genbank Accession No. NM_018062, deposited November 2, 2000
	ACCCCCCC	Genbank Accession No. NM_018131, deposited November 2, 2000
	ADDDDDDD	Genbank Accession No. NM_018401, deposited November 2, 2000
	AEEEEEEE	Genbank Accession No. NM_021302, deposited November 1, 2000
	AFFFFFFF	Genbank Accession No. NM_022082, deposited December 5, 2000
	AGGGGGGG	Genbank Accession No. NM_022183, deposited December 6, 2000
	AHHHHHHH	Genbank Accession No. NM_023314, deposited April 14, 2001
	AIIIIIII	Genbank Accession No. NM_024535, deposited March 18, 2001
	AJJJJJJJ	Genbank Accession No. NM_024653, deposited March 18, 2001
	AKKKKKKK	Genbank Accession No. NM_025841, deposited Mar. 20, 2001
	ALLLLLLL	Genbank Accession No. P08563, deposited July 15, 1998

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Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 20366-130001	Application No. 10/779,543
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Williams, et al.	
		Filing Date February 12, 2004	Group Art Unit 1637

(37 CFR §1.98(b))

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AMMMMMMMMMMMMMMM	Yeatman et al., "Identification of a Differentially-Expressed Message Associated With Colon Cancer Liver Metastasis Using an Improved Method of Differential Display," Nucl. Acids, Res. 23(19):4007-4008 (October 11, 1995)
	ANNNNNNNNNNNNNNN	Yeatman et al., "Identification of Genetic Alterations Associated With the Process of Human Experimental Colon Cancer Liver Metastasis in the Nude Mouse," Clin. Exp. Metastasis 14(1):246-252 (January 1996)
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